

Holmes Run/ Chambliss Crossing Study **Public Information Session**

March 18, 2009



Purpose of This Study

- Explore possible bike/ pedestrian crossing

Purpose of This Meeting

- Provide information about the project
- Gather input from the public

Meeting Agenda

• **Opening Presentation – 15 min.**

- Background/ Purpose
- Concurrent Studies
- Coordination
- Crossing Opportunities
- Stream Bank Stabilization Opportunities
- Project Schedule

• **Open Q/A – 30 min.**

Previous Studies

- Site/ Feasibility Study Holmes Run Multi-use Crossing
(Completed 2002)
- Determined most cost effective and environmentally friendly crossing is a clear span bridge.
 - Clear Span Bridge cost = \$155,000 (2002)
 - Fair Weather cost = \$167,000 (2002)

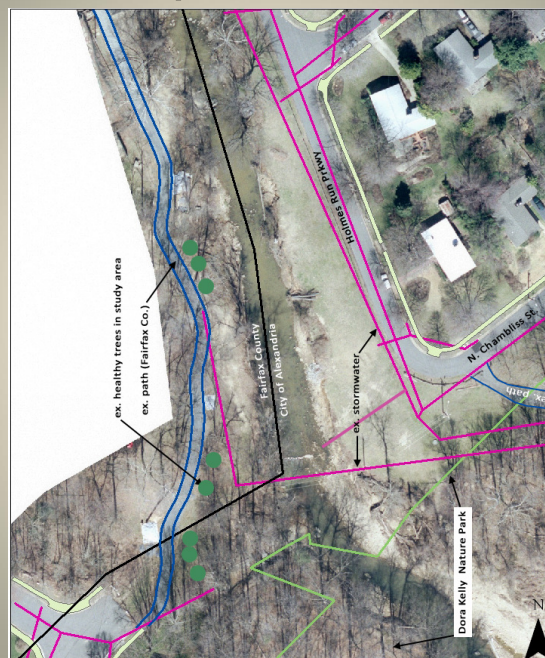
Concurrent Studies

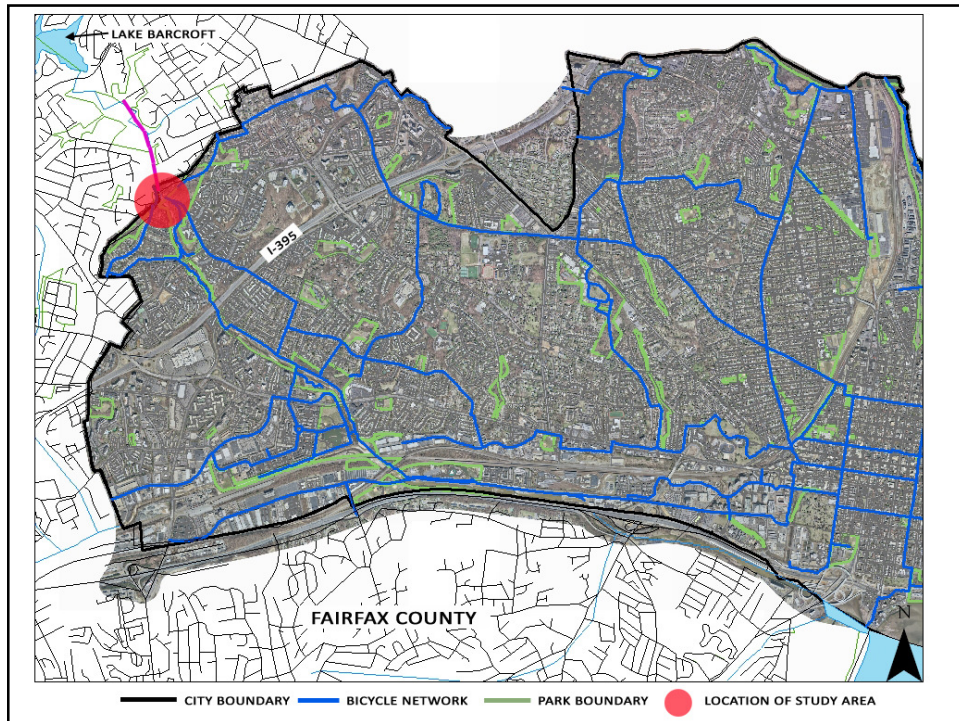
- US Army Corps of Engineers
Cameron Run/ Holmes Run Watershed
Feasibility Study
(on going)
- Lake Barcroft Inundation Mapping Study
(underway)

Coordination

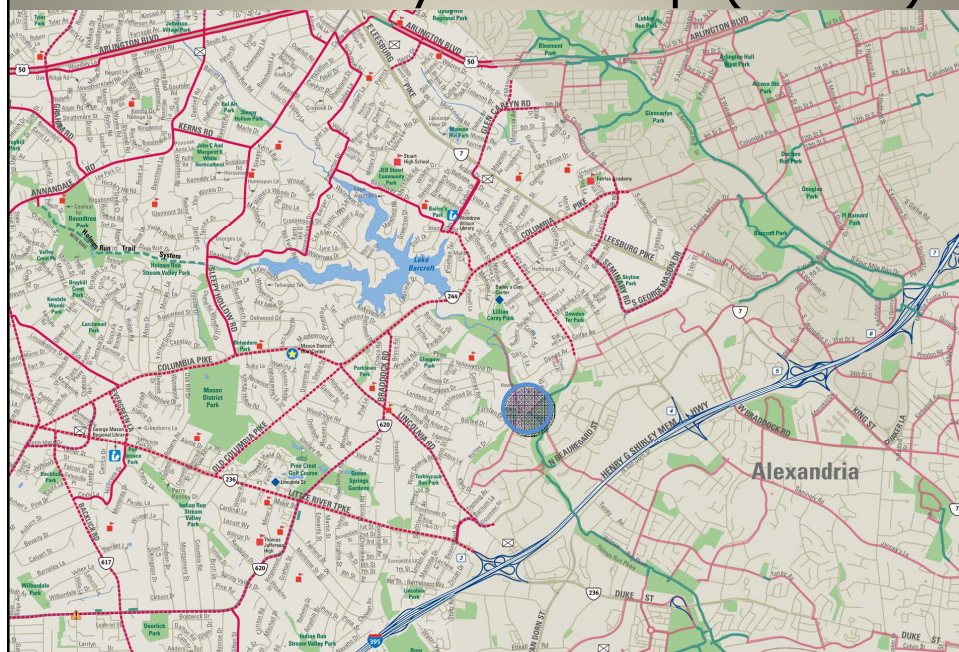
- Community Groups and Residents
- City of Alexandria Departments -
(Transportation and Environmental Services, Planning, Public Works)
- City of Alexandria Police Department
- Lake Barcroft Water Improvement District
 - Fairfax County Department
 - US Army Corps of Engineers
- VA Department of Environmental Protection
 - VA Department of Transportation

Study Boundaries





Fairfax County Bike Map (South)



Crossing Opportunities



Fair Weather Crossing

Advantages

- Allows for debris to flow over it freely
- Less costly to construct
- Less maintenance
- Less visible element in the landscape

Disadvantages

- Interrupts natural stream bottom and causes more impact to stream bed
- Requires working in a live stream; increases construction-related risks
- Significant permitting
- Requires significant grading and bank restoration
- Can become slippery because of algae growth
- Becomes unpassable during weather events
- Limiting to certain users such as elderly, small children, road bikes, and roller bladers
- Damage to aquatic biota and impediment to fish passage



Clear Span Bridge Crossing

Advantages

- Allows for continuous crossing in all weather conditions
- Accommodating to all user groups
- Causes less impact to the natural stream bed
- Can be an attractive element in the landscape
- Less construction-related risks

Disadvantages

- Susceptible to debris flows
- More visible element in the landscape
- Requires stream bank stabilization in area of the crossing
- More costly to construct and maintain



Stream Bank Stabilization

•Images

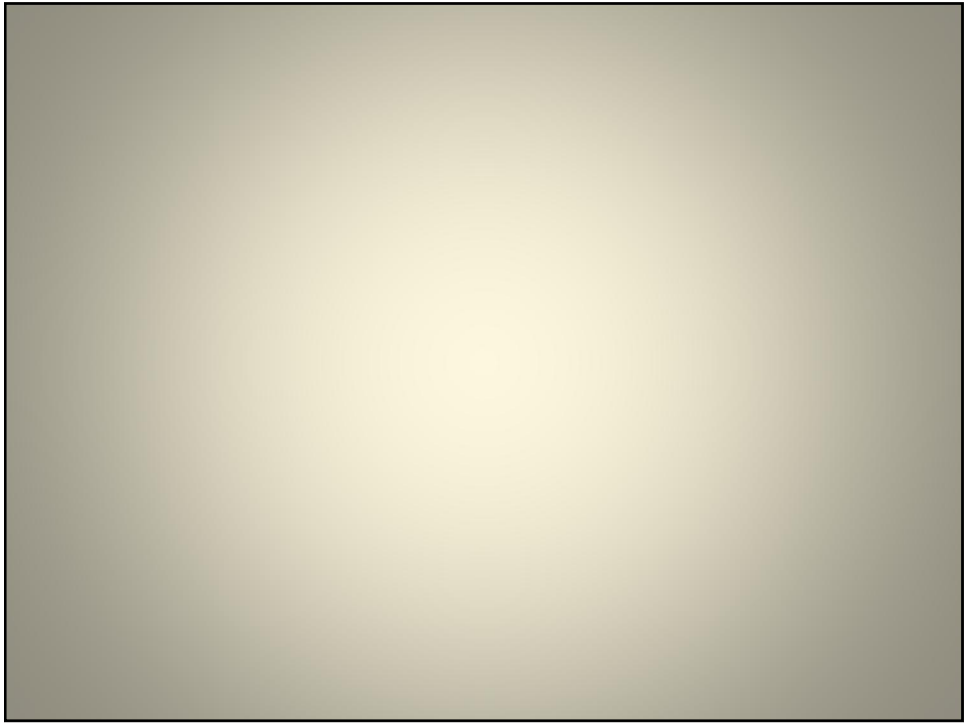


Project Schedule...Next Steps

- **March 18, 2009** – First Public Information Session
- **March-April** – Study hydrology, stream bank stabilization and crossing alternatives.
- **Mid April** – Second Public Information Session (present more info)
- **Late April** – Refine study findings, crossing alternatives and stream bank stabilization.
- **Mid May** – 3rd Public Information Session
- **May...** – Design Development depending on finding of study.

Holmes Run/ Chambliss
Crossing Study
**Public Information
Session**
THANK YOU.



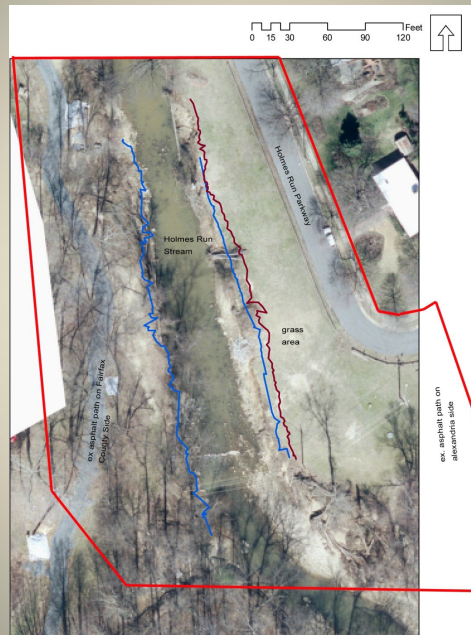


Existing Conditions

•Flood Plain Boundary



Stream bank Erosion



Crime Statistics

Crime Type	2006	2007*
Destruction of Property/Graffiti	2	1
Trespassing	4	8
Drug Offenses Marijuana Possession	1	2
Drunkenness	1	6
Contributing to Delinquency of a Minor	0	1
Weapon Offense Concealed Weapon	1	0
Liquor Law Violations	4	2
Warrant Service	1	0
GLA Recovery Out of Town	2	0
Other Criminal Offenses	0	1
Total	16	21

* January 1 - November 30, 2007